

Literature and Science / Science and Literature

A Key Basic List - Books

A Key list of 37 basic items. Compiled by L.A. Murillo – January 2009

This Key is a focus on the area of study where Literature and Science intersect or overlap; for example, Science as ‘literature’ (items 6, 12) or Literature as ‘science’ (items 8, 10), or the study of Language or Languages (biological origins, linguistics).

As a field of theory or critical study, Literature and Science / Science and Literature, has come down to us in opinions as diverse as those of Matthew Arnold, T. H. and Aldous Huxley, R. Barthes, Medawar, and Dawkins; and developing over the years as an expanding interdisciplinary field of interest. For instance, the breadth of entries in the Bibliographies of items 2 and 11 would suggest even a *post*-postmodern context: Literature, Science, Technology, and Cultural Studies.

I BIBLIOGRAPHIES

- 1) 1987 M L A ed. Walter Schatzberg et al, *The Relations of Literature and Science*. An Annotated Bibliography, 1880-1980.
- 2) 1993... *Configurations. A Journal of Literature, Science and Technology*. Published by Johns Hopkins U P for the Society for Literature and Science in cooperation with Georgia Tech. 1993 -- Vol I, Winter, Spring, Fall -- Vol IV 1996. Hereafter Online. Articles, book reviews, bibliography by year, 1989 & ff., listed under captions: “Theory,” “Rhetoric of Science,” “Sciences... Popular, Physical and Mathematical, Biological, Psychological and Cognitive, Occult,” and “Technology.”

II REFERENCE

- 3) 2002 *Encyclopedia of Literature and Science*, ed. Pamela Cossin et al. Greenwood Press. See entries “Gender,” “Twentieth Century,” etc. Includes selected bibliography.
- 4) 2005 *Literature and Science. Social Impact and Interaction*. John H. Cartwright and Brian Baker. Santa Barbara: ABC-CLIO Inc. A historical presentation; bibliography, extracts, sci fiction, etc.

- 5) 1940 *Literature and Science. An Anthology from English and American Literature, 1600-1900.* Selected and edited by Grant McColley. Chicago: Packard & Co.

- 6) 1959 *A Science Reader*, ed. Lawrence V. Ryan.
New York: Rinehart & Co., Selections, by topic or field;
“well written prose”.

- 7) 1985 *Permutations: Readings in Science and Literature.*
Edited by Joan Digby and Bob Brian. Wm. Morrow & Co.
Historical presentation (prose, poetry) of scientific themes,
by sections: “Science, Astronomy, Physics, Chemistry,
Biology.”

- 8) 1989 *The Longman Literary Companion to Science*, ed. Walter
Gratzer. Exerpts from (19th & 20th C) English &
American authors, by topic: a personal selection.

- 9) 1989^{1/} *From Creation to Chaos. Classic Writings in Science.*
1991² ed. Bernard Dixon. London: Basil Blackwell¹, Cardinal²
Selections by theme or motif.

- 10) 1995 *The Faber Book of Science*, ed. John Carey.
London: Faber and Faber. Selections by topic, chronological.

- 11) 2002 *Literature and Science in the Nineteenth Century. An
Anthology.* Edited with Intod. and Notes by Laura Otis.
Oxford World’s Classics. Select bibliography. Selection
by author, English and American.

- 12) 2008 *The Oxford Book of Modern Science Writing.* Richard
Dawkins. Introd, selection and commentary. 79 authors
English. American, representing “good writing”.

IV COLLECTIONS OF ARTICLES

- 13) 1983 *Bucknell Review: Science and Literature*, vol 27, n. 2, eds. Harvey R. Garvin and James M. Heath.
- 14) 1986 Jordanova, L. J., ed., *Languages of Nature, Critical Essays on Science and Literature*. Foreword by Raymond Williams. London: Free Association Books.
- 15) 1987 Levine, George, ed., *One Culture: Essays in Science and Literature*. U Wisconsin P.
- 16) 1990 Peterfreund, Stuart, ed., *Literature and Science. Theory and Practice / Practice and Theory*. Northeastern U P.
- 17) 1990 Slade, Joseph W. and Judith Yarou Lee, eds. *Beyond the Two Cultures: Essays on Science, Technology and Literature*. Iowa State U P.
- 18) 1991 Dear, Peter, ed., *The Literary Structure of Scientific Argument, Historical Studies*. U Pennsylvanis P.
- 19) 1991 Hayles, N. Katherine, ed. *Chaos and Order: Complex Dynamics in Literature and Science*. U Chicago P.
- 20) 1992 Scholnick, Robert J., ed., *American Literature and Science*. U P Kentucky.
- 21) 2001 "Symposium: Evolution and Literature," *Philosophy and Literature*. Vol. 25, No. 2, October.

V CRITICAL STUDIES

- 22) Beer, Gillian. (1983, 2000) *Darwin's Plots, Evolutionary Narrative in Darwin, George Eliot and Nineteenth Century Fiction*. Cambridge U P.
- 23) _____ (1996). *Open Fields: Science in Cultural Encounter*. Oxford U P.
- 24) Broderick, Damien (1994). *The Architecture of Babel: Discourses of Literature and Science*. Melbourne U P.

- 25) Carr, David. (1986). *Time, Narrative and History*. Indiana U P.
- 26) Halliday, M. A. K. and J. R. Martin. (1993) *Writing Science: Literacy and Discursive Power*. U Pittsburgh P.
- 27) Hayles, N. Katherine. (1984). *The Cosmic Web: Scientific Field Models and Literary Strategies in the Twentieth Century*. Cornell.
- 28) _____. (1990) *Chaos Bound: Orderly Disorder in Contemporary Literature and Science*. Cornell.
- 29) Haynes, Roslynn D. (1994) *From Faust to Strangelove, Representation of the Scientist in Western Literature*. Johns Hopkins.
- 30) Kenneally, Christine. (2007) *The First Word. The Search for the Origins of Language*. Viking-Penguin.
- 31) Levine, George. (1988) *Darwin and the Novelists: Patterns of Science in Victorian Fiction*. U Chicago P.
- 32) Locke, David. (1992) *Science as Writing*, Yale.
- 33) Medawar, Peter. (1982) *Pluto's Republic*. Oxford U P.
- 34) Myers, Greg. (1990) *Writing Biology: Texts in the Social Construction of Scientific Knowledge*. U Wisconsin P.
- 35) Ormiston, Gayle L. and Sassower, Raphael. (1989) *Narrative Experiments, The Discursive Authority of Science and Technology*. U Minnesota P.
- 36) Whitworth, Michael H., (2001) *Einstein's Wake: Relativity, Metaphor, and Modernist Literature*. Oxford U P.
- 37) Wilson, David L. and Brown, Zack (2001) *Science and Literature: Bridging the Two Cultures*. U P Florida.